

Appendix 1

Commonwealth of Virginia  
Application for a Sewage Disposal and/or Water Supply Permit  
Health Department

ID# \_\_\_\_\_ (VDH use)

Owner Atlantic Land Corporation Address 366 Mossy Rock Lane Phone 540-434-5085  
Harrisonburg, VA 22802

Agent Peter K. Kesecker Address 10 Mid Valley Lane Phone 540-248-7645  
Soil Services, Inc. Verona, VA 24482

Directions to Property: From Staunton, west on route 250, south on route 42 to Craigs ville, then south on 687,  
property on the left.

Subdivision Black Oak Farm Section N/A Block N/A Lot 1  
Other Property Identification \_\_\_\_\_ Map Reference 70-10

Dimension/size of Lot/Property 23.7 Acres

Residential Use  Yes  No  
Termite Treatment  Yes  No  
 Single Family  Multi-family  
Number of bedrooms 3 Number of units 1

Basement  Yes  No  
Fixtures in Basement  Yes  No

Proposed Sewage Disposal Method:

Onsite Sewage Disposal System:  Septic Tank Drainfield  LPD  Mound  Other

Water Supply:  Public  New  Existing  
 Private  New  Existing

Describe: Class IIC to be installed

The property lines, building location and sewage disposal system site are clearly marked and the property is sufficiently visible to see the topography. I give permission to the Department to enter onto the property described for the purpose of processing this application and to perform quality assurance checks as necessary until the sewage disposal system has been constructed and approved.

Peter K. Kesecker  
Signature of Owner/Agent

12/13/04  
Date

**SS** SOIL SERVICES, Inc.  
 578 Mt. Pleasant Rd.  
 Mt. Sidney, VA 24467



Telephone: (540) 248-BOIL (7646)  
 Fax: (540) 248-7646

Lot 1

Hole #	Hrzn.	Depth (inches)	SOIL PROFILE DESCRIPTION	Tx.Grp.
1	A	0 - 4	Brown 10YR 4/3; loam; granular structure	II B
	Bt	4 - 13	Light reddish brown 2.5YR 7/3; silt clay loam; sub angular blocky structure	III
	Bt2	13 - 27	Yellowish red 5YR 5/8; clay to fine sandy clay; sub angular blocky structure	III
	Bt3	27 - 50	Yellowish red 5YR 5/8 to 2.5YR 5/8; clay; sub angular blocky structure	IV
2	A	0 - 6	Dark brown 10YR 3/3; loam; granular structure	II B
	E	6 - 12	Brownish yellow 10YR 6/6; silt loam; sub angular blocky structure	III
	Bt	12 - 50	Yellowish red 5YR 5/8 to 7.5YR 5/8; silt clay; sub angular blocky structure	IV
3	A	0 - 6	Dark brown 10YR 3/3; loam; granular structure	II B
	E	6 - 12	Brownish yellow 10YR 6/6; silt loam; sub angular blocky structure	III
	Bt	12 - 50	Yellowish red 5YR 5/8 to 7.5YR 5/8; silt clay; sub angular blocky structure	IV

**SOIL SUMMARY REPORT****GENERAL INFORMATION**

Date 12/13/04 Submitted to Augusta County Health Dept.  
 Applicant: Atlantic Land Corporation

Address: 366 Mossy Rock Lane; Harrisonburg, VA 22802

Owner: Same

Address: \_\_\_\_\_

Location: East side of route 42 and 687, west of route 684

Subdivision Name Black Oak Farm Tax Map # 70 - 10

Lot #: Lot # 1 Block/Section: N/A

**SOIL INFORMATION SUMMARY**

1. Position on landscape satisfactory: Yes  No \_\_\_\_\_
2. Slope: 14 %
3. Depth to rock of impervious strata: Max. \_\_\_\_\_ Min. \_\_\_\_\_ None
4. Depth to seasonal water table (gray mottling): No  Yes \_\_\_\_\_ Depth in inches \_\_\_\_\_
5. Free water present: No  Yes \_\_\_\_\_ Range in inches \_\_\_\_\_
6. Soil percolation rate estimated Yes  Estimated Rate 90 Min./inch \_\_\_\_\_
- Texture Group I \_\_\_\_\_ II \_\_\_\_\_ III > IV \_\_\_\_\_
- No \_\_\_\_\_
7. Perc./permeability test performed: Yes \_\_\_\_\_ Established rate \_\_\_\_\_ Min./ inch \_\_\_\_\_
- No

If yes, note type of test performed and attach results:

- Site Approved: trenches to be placed at 22" depth, onsite designated by location.
- Site Disapproved:

**Reasons for Rejection**

1. \_\_\_\_\_ Position on landscape subject to flooding or periodic saturation.
2. \_\_\_\_\_ Insufficient depth of suitable soil over hard rock.
3. \_\_\_\_\_ Insufficient depth of suitable soil to seasonal water table.
4. \_\_\_\_\_ Rates of absorption too slow.
5. \_\_\_\_\_ Insufficient area of acceptable soil for required drainfield, and/or Reserve area.
6. \_\_\_\_\_ Proposed system too close to well.
7. \_\_\_\_\_ Other, specify: \_\_\_\_\_

Appendix 6  
**ABBREVIATED DESIGN FORM**

For use with gravity & pump drainfields, enhanced flow systems & low pressure/drip distribution systems when applying for a certification letter or subdivision approval.

**Design Basis**

Atlantic Land Corporation

Lot # 1

A. Estimated Percolation Rate 90 min./inch  
Established percolation Rate No min./inch (see attached)

B. Trench bottom square feet X Gravity        LPD 786 Sq. ft. bdrm.  
required per bedroom (from        Drip        sq. ft./bdrm.  
Table 4.6

C. Number of bedrooms 3 bdrms.

**Area Calculations**

D. Length of trenches 100 ft. Length of Available area 100 ft.

E. Width of trench 3 ft.

F. Number of trenches 8 16 (Including Reserve Area)

G. Center-to-Center spacing 9 ft.

H. Width required 66 ft. Width available 140 ft. (Includes Reserve Area)  
G(F-1)+E

I. Total square footage required (line B times C) 2358 sq. ft.

J. Total square footage in design 2400 sq. ft.

K. Is reserve area required X Yes        50% X 100%  
       No

L. Installation Depth 22 inches

M. Percent Slope 14 %

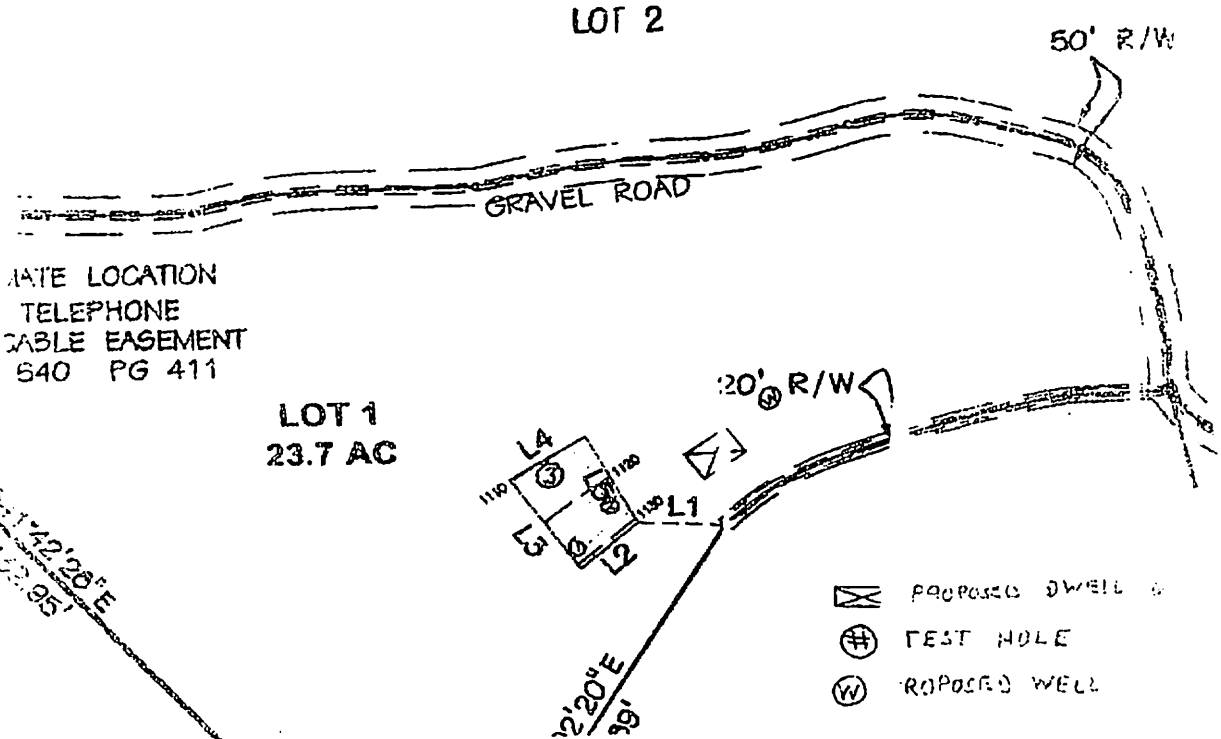
HOLE LOCATION/SITE SKETCH

LOT/SITE # 1  
SCALE - 1" = 200'

(SEE ENCLOSED PLAT FOR DRAINFIELD SITE, SOIL TEST PIT, & WELL LOCATIONS)

(SANITARY SURVEY SHOWED NO SET-BACK RESTRICTIONS WITHIN 200' - PER OWNER INFORMATION)

(ATTACHED COPY OF SURVEY PLATTED BY: Woodrow Perkins No. 1848 DATED: 12/9/04)

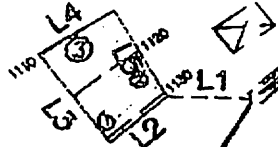


UTILITY EASEMENT  
TELEPHONE  
CABLE EASEMENT  
640 PG 411

LOT 1  
23.7 AC

20' R/W  
12'20" E  
19'

50' R/W



- PROPOSED DWELL
- TEST HOLE
- PROPOSED WELL

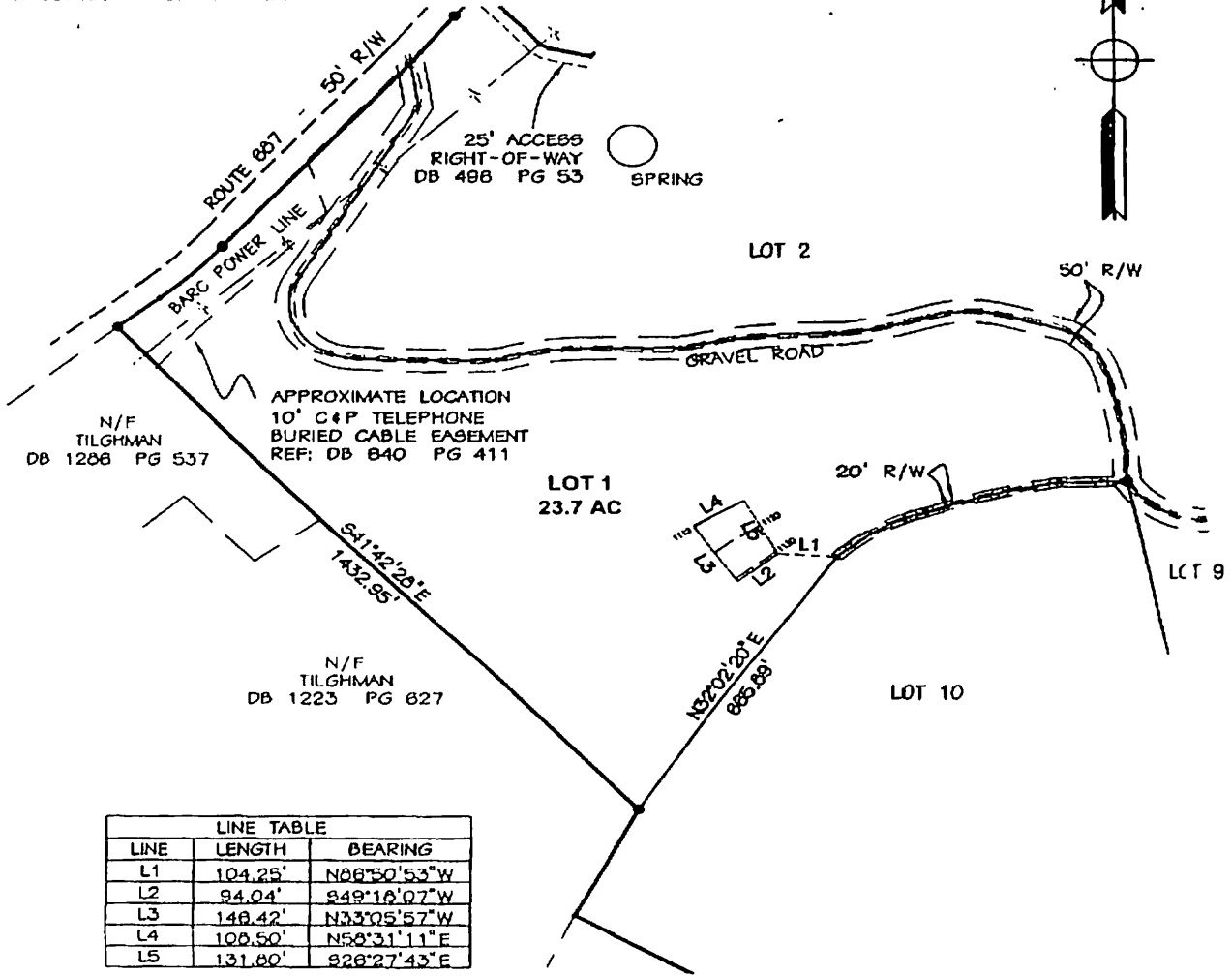
PROFESSIONAL ACKNOWLEDGEMENT

I hereby declare as the Consulting Soil Scientist, that to the best of my knowledge and belief, all of the soil and site data submitted meets the criteria of the 2000 Sewage Handling and Disposal Regulations, Virginia State Board of Health.

Peter K. Kesecker AOSE  
Consulting Soil Scientist  
SOIL SERVICES, INC.

*Bradley Morrison*  
Bradley Morrison  
Consulting Soil Scientist  
SOIL SERVICES, INC.

1. DRAINFIELD CORNERS LOCATED & PLOTTED BY: PERKINS & ORRISON, ENGINEERS, PLANNERS & SURVEYORS.
2. FLOOR LEVEL OF HOUSE MUST BE HIGHER THAN GROUND SURFACE LEVEL OVER DRAINFIELD OR A PUMP SYSTEM WILL BE REQUIRED.
3. CONTOUR INTERVAL = 2'.



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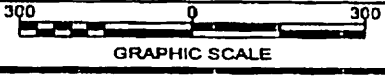
NOT FOR RECORDATION  
FOR HEALTH DEPARTMENT  
PURPOSES ONLY

**DRAINFIELD PLAT FOR  
BLACK OAK FARM  
LOT 1**

PASTURES MAGISTERIAL DISTRICT  
AUGUSTA COUNTY, VIRGINIA

17 W. Nelson Street  
P.O. Box 1567  
Lexington, VA 24450

Office: 540-464-9001  
Fax: 540-464-5009  
E-Mail: pno@perkins-orrison.com



Date: 12/09/04  
Job #: 04146  
DWN: JMC

Appendix 7

**Certification Statement**

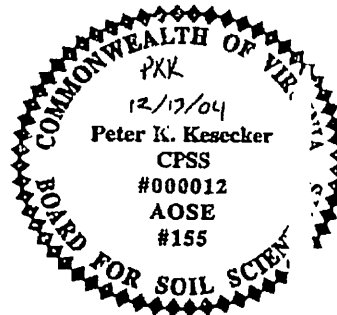
County: Augusta Date: 12/13/04 Property ID 70-1D  
Lot 1

Certified/Submitted by: Peter K. Kesecker / Soil Services, Inc.  
This is to certify according to Sec. 32.1-163.5 of the Code of Virginia that work submitted for the referred property is in accordance of and complies with the *Sewage Handling and Disposal Regulations* of the Virginia Department of Health.

I recommend a 'subdivision approval' (1) be 'approved' (2)

Peter K. Kesecker  
AOSE # 155 CPSS # 000012  
Peter K. Kesecker

Seal



\_\_\_\_\_  
\_\_\_\_\_  
Date: 12/13/04

If the submission contains a certification by a professional engineer in consultation with an AOSE, the following statement shall be signed and sealed:

I hereby certify that the evaluations and designs contained herein (refer to subdivision, lot, etc.) were conducted in accordance with the *Sewage Handling and Disposal Regulations* (12VAC 5-61-10 et seq., the "Regulations") and the policies of the Virginia Department of Health for implementation of the *Regulations*. Furthermore, I certify that the evaluations and designs comply with the minimum requirements of the *Regulations*.

I recommend a \_\_\_\_\_ (1) be \_\_\_\_\_ (2)

Licensed PE: \_\_\_\_\_ SEAL

Date: \_\_\_\_\_

- (1) This blank must be filled in with one of the following terms: 'permit', 'certification letter', or 'subdivision approval'.
- (2) This blank must be filled in with either the term: 'approved', or 'denied'.